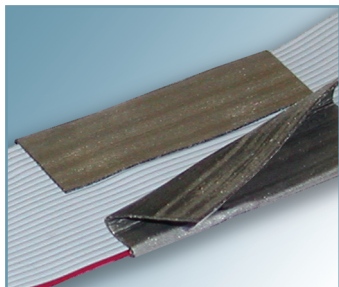
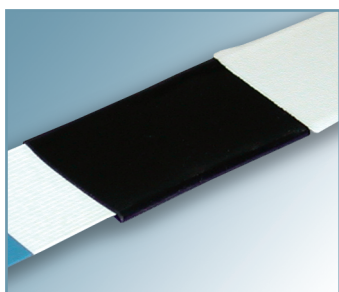


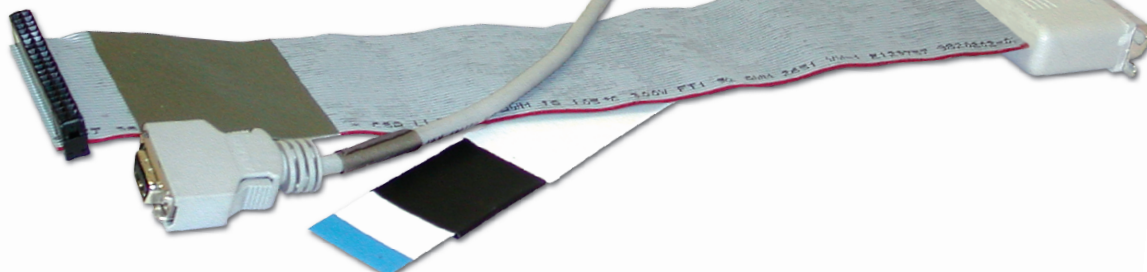
installation over cable bundle



installation by fully wrapping over top and bottom of flat cable width (shown partially detached for exhibit purposes only)



flex-circuit installation



## RFI-EMI cable strap absorber shielding

SPECIFIC FREQUENCY RANGE TUNED; WITH PRESSURE SENSITIVE ADHESIVE MOUNTING

### applications

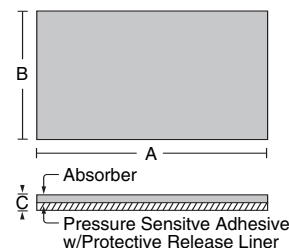
A very powerful high-frequency absorber which can be incorporated non-invasively with almost any component. For use on flat or round cables, cable groupings, flex-circuits and circuit board components; in particular when a specific frequency range or harmonic needs to be addressed. 2 - 3dB attenuation improvement is common.

Five frequency-specific formulations and our popular broadband formulation are available in easy-to-assemble strips which accommodate flat cable widths up to 2.5" (63,5mm), 50 conductors. Installs with adhesive backing by wrapping completely around flat (or round) cables with a .250" - .375" (6,3 - 9,5mm) overlap.

- Flat and round cables, flex-circuits, components
- Considerable amount of attenuation in small footprint
- Frequency-specific tuning options: 50MHz - 5GHz
- Very low profile; little or no space consideration
- Lightweight, conformable, flexible, inconspicuous
- Easy adhesive mount installation, very cost-effective

### characteristics

| Material Characteristic | Measure                            |
|-------------------------|------------------------------------|
| Frequency Range         | 40MHz - 5.0GHz                     |
| Peak Frequency Choices  | 100, 300, 400, 500, 800MHz, 3.2GHz |
| Temperature Range       | -20° to 100°C                      |
| Flammability Rating     | UL94V-0                            |
| Adhesive: Temperature   | -18° to 83°C                       |
| Tack                    | 8.4 p.s.i. (stainless steel)       |
| Shear                   | 300+ hrs @ 2 p.s.i. @ 22°C         |
|                         | ASTM D-3575                        |
|                         | ASTM D-3575                        |
|                         | ASTM D-3575                        |



(1) Tested in microline transfer fixture, results may not coordinate with open length cable applications. Specific testing of each application is recommended.

(2) Tested on attenuation analyzer, binding post fixture.

| Part Number | For Cable Width - Conductors | Peak Frequency | A - Width   | B - Length | C - Thickness | Impedance @ Peak Frequency Free Space Transfer Fixture <sup>1</sup> - Ohms <sup>2</sup> |
|-------------|------------------------------|----------------|-------------|------------|---------------|-----------------------------------------------------------------------------------------|
| SC009EA100  | .45 11,4 - 9                 | 100MHz         | 1.500 38,1  | 2.000 50,8 | .002 0,05     | 17.3dB @ 100MHz - 40                                                                    |
| SC009EA300  |                              | 300MHz         |             |            | .007 0,18     | 17.6dB @ 300MHz - 210                                                                   |
| SC009EA400  |                              | 400MHz         |             |            | .012 0,30     | 17.2dB @ 400MHz - 240                                                                   |
| SC009EA500  |                              | 500MHz         |             |            | .020 0,50     | 17.8dB @ 500MHz - 310                                                                   |
| SC009EA800  |                              | 800MHz         |             |            | .014 0,36     | 17.9dB @ 800MHz - 360                                                                   |
| SC009EA3200 | 1.25 31,8 - 15               | 3.2GHz         | 2.000 50,8  | 2.000 50,8 | .005 0,13     | 31.2dB @ 3.2GHz - N/A                                                                   |
| SC015EA100  |                              | 100MHz         |             |            | .002 0,05     | 17.3dB @ 100MHz - 40                                                                    |
| SC015EA300  |                              | 300MHz         |             |            | .007 0,18     | 17.6dB @ 300MHz - 210                                                                   |
| SC015EA400  |                              | 400MHz         |             |            | .012 0,30     | 17.2dB @ 400MHz - 240                                                                   |
| SC015EA500  |                              | 500MHz         |             |            | .020 0,50     | 17.8dB @ 500MHz - 310                                                                   |
| SC015EA800  | 1.75 44,5 - 25               | 800MHz         | 3.000 76,2  | 2.000 50,8 | .014 0,36     | 17.9dB @ 800MHz - 360                                                                   |
| SC015EA3200 |                              | 3.2GHz         |             |            | .005 0,13     | 31.2dB @ 3.2GHz - N/A                                                                   |
| SC025EA100  |                              | 100MHz         |             |            | .002 0,05     | 17.3dB @ 100MHz - 40                                                                    |
| SC025EA300  |                              | 300MHz         |             |            | .007 0,18     | 17.6dB @ 300MHz - 210                                                                   |
| SC025EA400  |                              | 400MHz         |             |            | .012 0,30     | 17.2dB @ 400MHz - 240                                                                   |
| SC025EA500  | 2.00 50,8 - 40               | 500MHz         | 4.500 114,3 | 2.000 50,8 | .020 0,50     | 17.8dB @ 500MHz - 310                                                                   |
| SC025EA800  |                              | 800MHz         |             |            | .014 0,36     | 17.9dB @ 800MHz - 360                                                                   |
| SC025EA3200 |                              | 3.2GHz         |             |            | .005 0,13     | 31.2dB @ 3.2GHz - N/A                                                                   |
| SC040EA100  |                              | 100MHz         |             |            | .002 0,05     | 17.3dB @ 100MHz - 40                                                                    |
| SC040EA300  |                              | 300MHz         |             |            | .007 0,18     | 17.6dB @ 300MHz - 210                                                                   |
| SC040EA400  | 2.50 63,5 - 50               | 400MHz         | 5.500 139,7 | 2.000 50,8 | .012 0,30     | 17.2dB @ 400MHz - 240                                                                   |
| SC040EA500  |                              | 500MHz         |             |            | .020 0,50     | 17.8dB @ 500MHz - 310                                                                   |
| SC040EA800  |                              | 800MHz         |             |            | .014 0,36     | 17.9dB @ 800MHz - 360                                                                   |
| SC040EA3200 |                              | 3.2GHz         |             |            | .005 0,13     | 31.2dB @ 3.2GHz - N/A                                                                   |
| SC050EA100  |                              | 100MHz         |             |            | .002 0,05     | 17.3dB @ 100MHz - 40                                                                    |
| SC050EA300  | 2.50 63,5 - 50               | 300MHz         | 5.500 139,7 | 2.000 50,8 | .007 0,18     | 17.6dB @ 300MHz - 210                                                                   |
| SC050EA400  |                              | 400MHz         |             |            | .012 0,30     | 17.2dB @ 400MHz - 240                                                                   |
| SC050EA500  |                              | 500MHz         |             |            | .020 0,50     | 17.8dB @ 500MHz - 310                                                                   |
| SC050EA800  |                              | 800MHz         |             |            | .014 0,36     | 17.9dB @ 800MHz - 360                                                                   |
| SC050EA3200 |                              | 3.2GHz         |             |            | .005 0,13     | 31.2dB @ 3.2GHz - N/A                                                                   |